

479270 TO 479277-continued

along a service road. Seed collected from one tree. Wild. Seed.

479272. JH-124-82. Japan. US National Arboretum. 51142. Collected September 22, 1982. Akkeshi Prefectural Forest, Hichirippu, Hamanaka-machi, Akkeshi-gun, Hokkaido. 70m. Lat. 43 deg. 04' N, Long. 145 deg. 05' E. Snow 40cm per annum, deepest 1.3m. Minimum temperature -20C. Shrub, deciduous, large, 4.5-6m tall. Stems purplish, younger stems black. Leaves dark green above, lustrous beneath. Growing in a mixed woodland in field 41. Seed collected from one tree. Wild. Seed.
479273. JH-202-82. Japan. US National Arboretum. 51219. Collected September 28, 1982. Arboretum, Tokyo University, Furano Forest, Yamabe, Furano-shi, Hokkaido. Lat. 43 deg. 14' N, Long. 142 deg. 24' E. Snow cover 2.5m per annum. Minimum temperature -30C. Trees 6m tall. Seed collected from 3 trees. Cultivated. Seed.
479274. JH-235-82. Japan. US National Arboretum. 51253. Collected October 01, 1982. Hokkaido University Tomakomai Exp. Forest, Tomakomai-shi, Hokkaido. Lat. 42 deg. 38' N, Long. 141 deg. 39' E. Snow cover 40cm per annum, ground freeze to 70cm. Minimum temperature -30C. Young stems black. Seed collected from one plant. Wild. Seed.
479275. JH-236-82. Japan. US National Arboretum. 51254. Collected October 01, 1982. Hokkaido University Tomakomai Exp. Forest, Tomakomai-shi, Hokkaido. Lat. 42 deg. 38' N, Long. 141 deg. 39' E. Snow cover 40cm per annum, ground freeze to 70cm. Minimum temperature -30C. Tree deciduous, 12m tall, erect, dense spreading crown. Twigs predominantly green, shiny. Leaves dull green above, lustrous beneath. Samaras green, wings lighter. Growing in woodland. Wild. Seed.
479276. JH-285-82. Japan. US National Arboretum. 51304. Collected October 06, 1982. Mori National Forest, Akaigawa, Mori-machi, Kayabe-gun, Hokkaido. 200m. Lat. 42 deg. 0' N, Long. 140 deg. 39' E. Snow cover for 2 days by 50cm or deeper. Minimum temperature -18C. Tree deciduous, small, 6m tall, erect, round-headed crown, greenish to blackish stems. Bark smooth, light gray. Leaves dull green above, somewhat lustrous beneath. Wings of samaras often pinkish. Growing on edge of woodland. Seed collected from one plant. Wild. Seed.
479277. JH-336-82. Japan. US National Arboretum. 51356. Collected October 09, 1982. Along Oirase, Yakeyama, Towada-machi, Aomori-ken, Honshu. 320m. Snow 2-3m per annum, 58 days covered by 50cm or deeper. Minimum temperature -20 C. Tree, deciduous, 6m tall, spreading